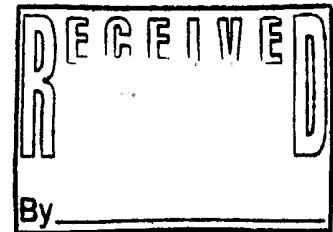




GOVERNMENT OF PUERTO RICO
GOVERNOR'S OFFICE
ENVIRONMENTAL QUALITY BOARD
CHAIRMAN'S OFFICE



Mr. Allan B. Dyer
President
AES Puerto Rico
P.O. Box 1890
Guayama, P.R. 00785

RE: Community Concerns about AGREMAX

Dear Mr. Dyer:

As you stated in your December 7th, 2010 letter, some citizens have recently brought to our attention certain issues regarding potential radioactive levels of your manufactured aggregate (commercially known as AGREMAX). Last December, community members represented by their consultants, Dr. Félix Aponte and Dr. Osvaldo Rosario, informed the Environmental Quality Board (EQB) that they had technical documents and laboratory analyses that support their allegations of harmful radioactive levels resulting from AGREMAX. These technical documents include analysis results of certain samples collected from places where the manufactured aggregate was allegedly used as structural fill material. Drs. Aponte and Rosario indicated that the results show some levels of radioactivity that are of concern to the community members they represent.

As part of our statutory duties, EQB is empowered to investigate situations that have the potential of adversely affecting the quality of our environment and/or endanger the health and well being of the people. Likewise, as part of our commitment to a balanced and sustainable development, EQB is in the process of drafting guidelines for the beneficial use of coal combustion products (CCPs) in Puerto Rico. Consequently, EQB has reviewed available technical data regarding the specific uses of CCPs in construction projects in other jurisdictions.

As part of the guidelines drafting, we are reviewing the available data, including the analyses submitted by the community groups in which they support their allegation that AGREMAX has radioactive properties of concern. In order to have a thorough evaluation, EQB understands it would benefit if AES-Guayama presents for our consideration and review recent results of the radioactive potential of AES raw material, in-process material, and AGREMAX.

We expect to receive the required information on or before April 1st, 2011 as we intend to finish and publish the guidelines in spring. Thank you in advance for collaborating with EQB in its initiative of preparing Guidelines for Beneficial use of Coal Combustion Products in Puerto Rico.

If you have any questions regarding this request, you may contact Associate Member of the Board, Mr. Reynaldo Matos.

Cordially,

A handwritten signature in black ink, appearing to read 'PJN', followed by a horizontal line and a small flourish.

Pedro J. Nieves Miranda, Esq.
Chairman



ANALYTICAL REPORT

Job Number: 680-60518-1

b Description: Environmental Dialogue Committee

For:

Kennedy & Madonna, LLP
48 Dewitt Mills Rd
Hurley, NY 12443

Attention: Mr. Kevin Madonna

Sheila Hoffman
Project Manager I
sheila.hoffman@testamericainc.com
09/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q



Client: Kennedy & Madonna, LLP

Job Number: 680-60518-1

Description		Lab Location	Method	Preparation Method
Matrix	Solid			
Semivolatile Organic Compounds (GC/MS) Low level PAH		TAL SAV	SW846 8270C_LL_PAH	
Microwave Extraction		TAL SAV		SW846 3546
Metals (ICP)		TAL SAV	SW846 6010B	
Preparation, Metals		TAL SAV		SW846 3050B
Mercury (CVAA)		TAL SAV	SW846 7471A	
Preparation, Mercury		TAL SAV		SW846 7471A
Sulfur, Total		TAL SAV	SW846 9038	
Bomb Preparation Method for Solid Waste		TAL SAV		SW846 5050
SW846 8280 Dioxins		TAL WSC	SW846 8280	
Total Gross Alpha/Beta		SC0009	EPA 900.0	

Lab References:

SC0009 = KNL Laboratory Services

TAL SAV = TestAmerica Savannah

TAL WSC = TestAmerica West Sacramento

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Method	Analyst	Analyst ID
SW846 8270C_LL_PAH	Hao, Lili	LH
SW846 6010B	Bland, Brian	BCB
SW846 7471A	Eaton, Cliff	CE
SW846 9038	Nelson, Christopher	CN

SAMPLE SUMMARY

Client: Kennedy & Madonna, LLP

Job Number: 680-60518-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-60518-1	Salinas 1	Solid	08/18/2010 0900	08/19/2010 0935



2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

TestAmerica-Savannah
5102 LaRoche Ave.
Savannah, GA. 31404

Attn: Sheila Hoffman

Field Custody:
Client/Field ID:

Sample Collection: - -
Lab ID No: 10.5776
Lab Custody Date: 8-25-10/1100
Sample description: solid

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/g	9.9 ± 1.6	8-31-10/0800	DOE RP710	1.6
Gross Beta	pCi/g	5.7 ± 0.8	8-31-10/0800	DOE RP710	1.6

Alpha Standard: Th-230
Beta Standard: Ca-137

Phone (912) 354-7858 Fax (912) 352-0165

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

AES000103_0008

Analytical Data

Client: Kennedy & Madonna, LLP

Job Number: 680-60518-1

Client Sample ID: Salinas 1

Lab Sample ID: 680-60518-1

Date Sampled: 08/18/2010 0900

Client Matrix: Solid

% Moisture: 35.7

Date Received: 08/19/2010 0935

8270C_LL_PAH Semivolatile Organic Compounds (GC/MS) Low level PAH

Method:	8270C_LL_PAH	Analysis Batch: 680-178401	Instrument ID:	MSK
Preparation:	3546	Prep Batch: 680-178201	Lab File ID:	k1578.d
Dilution:	1.0		Initial Weight/Volume:	30.03 g
Date Analyzed:	08/26/2010 1540		Final Weight/Volume:	1 mL
Date Prepared:	08/25/2010 1121		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1-Methylnaphthalene		<10		10
2-Methylnaphthalene		<10		10
Acenaphthene		<10		10
Acenaphthylene		<10		10
Anthracene		<10		10
Benzo[a]anthracene		<10		10
Benzo[a]pyrene		<10		10
Benzo[b]fluoranthene		<10		10
Benzo[g,h,i]perylene		<10		10
Benzo[k]fluoranthene		<10		10
Chrysene		<10		10
Dibenz(a,h)anthracene		<10		10
Fluoranthene		<10		10
Fluorene		<10		10
Indeno[1,2,3-cd]pyrene		<10		10
Naphthalene		<10		10
Pyrene		<10		10
Phenanthrene		<10		10

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	38		29 - 130

Analytical Data

Client: Kennedy & Madonna, LLP

Job Number: 680-60518-1

Client Sample ID: Salinas 1

Lab Sample ID: 680-60518-1

Date Sampled: 08/18/2010 0900

Client Matrix: Solid

% Moisture: 35.7

Date Received: 08/19/2010 0935

6010B Metals (ICP)

Method: 6010B

Analysis Batch: 680-178536

Instrument ID: ICPD

Preparation: 3050B

Prep Batch: 680-178345

Lab File ID: 082710.chr

Dilution: 1.0

Initial Weight/Volume: 1.01 g

Date Analyzed: 08/28/2010 0406

Final Weight/Volume: 100 mL

Date Prepared: 08/26/2010 1135

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		5.3		3.1
Arsenic		23		3.1
Barium		720		1.5
Beryllium		2.2		0.62
Boron		140		15
Cadmium		1.2		0.77
Chromium		35		1.5
Cobalt		12		1.5
Copper		46		3.8
Iron		28000		31
Lead		8.3		1.5
Magnesium		6500		77
Manganese		310		1.5
Molybdenum		8.7		1.5
Nickel		33		6.2
Selenium		19		3.8
Silver		<1.5		1.5
Thallium		<3.8		3.8
Vanadium		130		1.5
Zinc		64		3.1

Method: 7471A

Anal

Preparation: 7471A

Prep

Dilution: 1.0

Date Analyzed: 08/25/2010 1916

Date Prepared: 08/24/2010 1034

Analyte DryWt Corrected: N

Mercury

Analytical Data

Client: Kennedy & Madonna, LLP

Job Number: 680-60518-1

General Chemistry

Client Sample ID: Salinas 1

Lab Sample ID: 680-60518-1

Client Matrix: Solid

% Moisture: 35.7

Date Sampled: 08/18/2010 0900

Date Received: 08/19/2010 0935

Analyte	Result	Qual	Units	RL	Dil	Method
Total Sulfur	7600		mg/Kg	250	1.0	9038
	Analysis Batch: 680-178342	Date Analyzed: 08/26/2010 1128				DryWt Corrected: Y
	Prep Batch: 680-178338	Date Prepared: 08/26/2010 1000				



TestAmerica project number:
PO/Contract: 680-60518

Sheila Hoffmann
TestAmerica Savannah
5102 Laroche Avenue
Savannah, GA 31404


Dear Ms. Hoffmann,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on August 24, 2010. This sample is associated with your 680-60518 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4402.

Sincerely,



Jill Kellmann
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G0H240526

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8280A, 2,3,7,8-TCDD

Sample: 1

Sample Data Sheet

Method Blank Report

Laboratory QC Reports

SOLID, D 2216-90, Percent Moisture

Sample: 1

Sample Data Sheet

Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G0H240526

There are no anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA-200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUANI
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7868 Fax (912) 352-0165

TestAmerica

2010年12月26日

[illegible]

LOT RECEIPT CHECKLIST TestAmerica West Sacramento

CLIENT TAL - Savannah PM UK LOG # 66550

LOT# (QUANTIMS ID) G0H240526 QUOTE# 38914 LOCATION W17C
Checked (✓) ☒

DATE RECEIVED 8/24/10 TIME RECEIVED 0905

DELIVERED BY ☒ FEDEX ☐ ON TRAC ☐ CLIENT

☐ GOLDENSTATE ☐ UPS ☐ GO-GETTERS ☐ OTHER

☐ TAL COURIER ☐ TAL SF ☐ VALLEY LOGISTICS

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☒ N/A

CUSTODY SEAL #(S) _____

SHIPPING CONTAINER(S) ☒ TAL ☐ CLIENT ☐ N/A

COC #(S) 680-165191.1

TEMPERATURE BLANK Observed: NA Corrected: _____

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 6.3, 3 Average 4 Corrected Average 4

LABORATORY THERMOMETER ID: _____

IR UNIT: #4 ☒ #5 ☐ ☐ OTHER _____

CV 8/24/10
Initials Date

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A

LABELED BY _____

LABELS CHECKED BY _____

PEER REVIEW ☒ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM ☒ N/A

VOA-ENCORES ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☒ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☒ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

CV 8/24/10
Initials Date

Notes _____

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Bottle Lot Inventory

Lot

ID:

G0H240526

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ	/																			
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

SOLID, 8280A, 2,3,7,8-TCDD

TestAmerica Savannah

Client Sample ID: SALINAS 1 (680-60518-1)

Trace Level Organic Compounds

.....: G0H240526-001 Work Order #....: L53KG1AC Matrix.....
: 08/18/10 Date Received...: 08/24/10
: 09/04/10 Analysis Date...: 09/07/10
 rep a c: 0246122
 Dilution Factor: 1
 % Moisture.....: 36

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.50	ng/g	SW846 8280A
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	76	(25 - 150)		
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
37Cl4-2,3,7,8-TCDD	76	(25 - 150)		

QC DATA ASSOCIATION SUMMARY

G0H240526

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		0256307	0256200
	SOLID	SW846 8280A		0246122	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G0H240526 Work Order #...: L6HK51AA Matrix.....: SOLID
MB Lot-Sample #: G0I030000-122
Analysis Date...: 09/07/10 Prep Date.....: 09/04/10
Dilution Factor: 1 Prep Batch #...: 0246122

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	ND	0.50	ng/g	SW846 8280A

<u>INTERNAL STANDARDS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
13C-2,3,7,8-TCDD	76	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
37Cl4-2,3,7,8-TCDD	77	(25 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

....: G0H240526 Work Order #....: L6HK51AC Matrix.....: SOLID
 le#: G0I030000-122
: 09/04/10 Analysis Date...: 09/07/10
 ep a c: 0246122
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	106	(65 - 125)	SW846 8280A

<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
77	(25 - 150)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37C14-2,3,7,8-TCDD	80	(25 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

....: G0H240526 Work Order #....: L6HK51AC Matrix.....: SOLID
 le#: G0I030000-122
 ...: 09/04/10 Analysis Date...: 09/07/10
: 0246122

Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	2.50	2.66	ng/g	106	SW846 8280A
		PERCENT RECOVERY	RECOVERY LIMITS		
		77	(25 - 150)		
SURROGATE		PERCENT RECOVERY	RECOVERY LIMITS		
37Cl4-2,3,7,8-TCDD		80	(25 - 150)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SOLID, D 2216-90, Percent Moisture

TestAmerica Savannah

Client Sample ID: SALINAS 1 (680-60518-1)

General Chemistry

Lot-Sample #...: G0H240526-001 Work Order #...: L53KG Matrix.....: SOLID
Date Sampled...: 08/18/10 Date Received...: 08/24/10
% Moisture.....: 36

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	35.6	0.10	%	ASTM D 2216-90	09/13-09/15/10	0256307

Dilution Factor: 1

QC DATA ASSOCIATION SUMMARY

G0H240526

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	ASTM D 2216-90		0256307	0256200
	SOLID	SW846 8280A		0246122	

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: G0H240526

Work Order #....: L6DF4-SMP
L6DF4-DUP

Matrix.....: SOLID

Date Sampled....: 08/27/10

Date Received...: 08/31/10

% Moisture.....: 5.4

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	5.5	5.0	%	9.5	(0-20)	SD Lot-Sample #: G0H310579-021 ASTM D 2216-90	09/13-09/15/10	0256307

Dilution Factor: 1

Method: 8270C_LL_PAH

Preparation: 3546

Instrument ID: MSK

Lab File ID: k1575.d

Initial Weight/Volume: 30.06 g

Final Weight/Volume: 1 mL

Injection Volume:

Analyte	Result	RL
1-Methylnaphthalene	<6.7	6.7
2-Methylnaphthalene	<6.7	6.7
Acenaphthene	<6.7	6.7
Acenaphthylene	<6.7	6.7
Anthracene	<6.7	6.7
Benzo[a]anthracene	<6.7	6.7
Benzo[a]pyrene	<6.7	6.7
Benzo[b]fluoranthene	<6.7	6.7
Benzo[g,h,i]perylene	<6.7	6.7
Benzo[k]fluoranthene	<6.7	6.7
Chrysene	<6.7	6.7
Dibenz(a,h)anthracene	<6.7	6.7
Fluoranthene	<6.7	6.7
Fluorene	<6.7	6.7
Indeno[1,2,3-cd]pyrene	<6.7	6.7
Naphthalene	<6.7	6.7
Pyrene	<6.7	6.7
Phenanthrene	<6.7	6.7
Surrogate	% Rec	
o-Terphenyl	83	

Quality Control Results

Job Number: 680-60518-1

Method: 8270C_LL_PAH

Preparation: 3546

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual
	LCS	LCSD				
1-Methylnaphthalene	66	67	35 - 130	2	50	
2-Methylnaphthalene	77	80	34 - 130	5	50	
Acenaphthene	66	71	36 - 130	9	50	
Acenaphthylene	70	76	34 - 130	9	50	
Anthracene	82	84	38 - 130	4	50	
Benzo[a]anthracene	84	89	44 - 130	6	50	
Benzo[a]pyrene	83	92	41 - 130	11	50	
Benzo[b]fluoranthene	89	81	40 - 130	8	50	
Benzo[g,h,i]perylene	80	86	37 - 130	8	50	
Benzo[k]fluoranthene	83	63	42 - 130	26	50	
Chrysene	80	81	46 - 130	2	50	
Dibenz(a,h)anthracene	83	92	36 - 130	11	50	
Fluoranthene	74	80	41 - 130	8	50	
Fluorene	78	83	35 - 130	7	50	
Indeno[1,2,3-cd]pyrene	83	89	35 - 130	8	50	
Naphthalene	67	65	36 - 130	1	50	
Pyrene	76	77	41 - 130	3	50	
Phenanthrene	77	80	38 - 130	6	50	
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits	
o-Terphenyl	78		81		29 - 130	

Method: 6010B
Preparation: 3050B

Instrument ID: ICPD
Lab File ID: 082710.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	RL
Antimony	<2.0	2.0
Arsenic	<2.0	2.0
Barium	<1.0	1.0
Beryllium	<0.40	0.40
Boron	<10	10
Cadmium	<0.50	0.50
Chromium	<1.0	1.0
Cobalt	<1.0	1.0
Copper	<2.5	2.5
Iron	<20	20
Lead	<1.0	1.0
Magnesium	<50	50
Manganese	<1.0	1.0
Molybdenum	<1.0	1.0
Nickel	<4.0	4.0
Selenium	<2.5	2.5
Silver	<1.0	1.0
Thallium	<2.5	2.5
Vanadium	<1.0	1.0
Zinc	<2.0	2.0

Method: 6010B
Preparation: 3050B

Instrument ID: ICPD
Lab File ID: 082710.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit
Antimony	50.0	46.5	93	75 - 125
Arsenic	200	184	92	75 - 125
Barium	200	193	96	75 - 125
Beryllium	5.00	4.64	93	75 - 125
Boron	100	91.9	92	75 - 125
Cadmium	5.00	4.66	93	75 - 125
Chromium	20.0	18.9	95	75 - 125
Cobalt	50.0	47.0	94	75 - 125
Copper	25.0	23.7	95	75 - 125
Iron	100	98.2	98	75 - 125
Lead	50.0	46.5	93	75 - 125
Magnesium	500	467	93	75 - 125
Manganese	50.0	47.4	95	75 - 125
Molybdenum	50.0	46.3	93	75 - 125
Nickel	50.0	46.9	94	75 - 125
Selenium	200	184	92	75 - 125
Silver	5.00	4.74	95	75 - 125
Thallium	200	192	96	75 - 125
Vanadium	50.0	48.1	96	75 - 125
Zinc	50.0	47.0	94	75 - 125

Method: 7471A
Preparation: 7471A

Instrument ID: LEEMAN1
Lab File ID: b082510.chr
Initial Weight/Volume: 0.53 g
Final Weight/Volume: 50 mL

RL

0.019

Method: 7471A
Preparation: 7471A

Instrument ID: LEEMAN1
Lab File ID: b082510.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

MS Lab Sample ID: 680-60518-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/25/2010 1925
Date Prepared: 08/24/2010 1034

MSD Lab Sample ID: 680-60518-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/25/2010 1928
Date Prepared: 08/24/2010 1034

Method: 9038
Preparation: 5050

Instrument ID: KONELAB1
Lab File ID: N/A
Initial Weight/Volume: .5701 g
Final Weight/Volume: 20 mL

RL
150

Method: 9038
Preparation: 5050

Instrument ID: KONELAB1
Lab File ID: N/A
Initial Weight/Volume: .5034 g
Final Weight/Volume: 100 mL

% Rec.	Limit
93	50 - 120

Method: 9038
Preparation: 5050

Instrument ID: KONELAB1
Lab File ID: N/A
Initial Weight/Volume: .5004 g
Final Weight/Volume: 20 mL

Serial Number 030907

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

☐ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7868
Fax: (912) 352-0165

☐ Alternate Laboratory Name/location

Phone:
Fax:

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE) P.R.		MATRIX TYPE	REQUIRED ANALYSIS				PAGE	OF
TAL (LAB) PROJECT MANAGER		P.O. NUMBER	CONTRACT NO.							STANDARD REPORT DELIVERY	
CLIENT (SITE) PM Environmental Dialogue Committee		CLIENT PHONE 877-790-6734	CLIENT FAX							DATE DUE	
CLIENT NAME		CLIENT E-MAIL								EXPEDITED REPORT DELIVERY (SURCHARGE)	
CLIENT ADDRESS Calle AC 3, Salinas, Puerto Rico 00761										DATE DUE	
COMPANY CONTRACTING THIS WORK (if applicable)										NUMBER OF COOLERS SUBMITTED PER SHIPMENT	
SAMPLE DATE	TIME	SAMPLE IDENTIFICATION			COMPOSITE (C) OR GRAB (G) INDICATE	NUMBER OF CONTAINERS SUBMITTED				REMARKS	
8/18/10	9:00AM	Salinas 1			<input checked="" type="checkbox"/> AQUEOUS (WATER)	<input checked="" type="checkbox"/> NO	6020, 7471 A				
8/18/10	9:00AM	Salinas 1			<input checked="" type="checkbox"/> SOLID OR SEMISOLID	<input checked="" type="checkbox"/> YES	9038, Total Sulfur				
8/18/10	9:00AM	Salinas 1			<input checked="" type="checkbox"/> AIR	<input checked="" type="checkbox"/> NO	8270C, PAHs				
8/18/10	9:00AM	Salinas 1			<input checked="" type="checkbox"/> NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	<input checked="" type="checkbox"/> YES	Gross Alpha, Beta Dioxin				
8/19/10	9:00AM	Salinas 1				<input checked="" type="checkbox"/> NO	PRESERVATIVE				
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